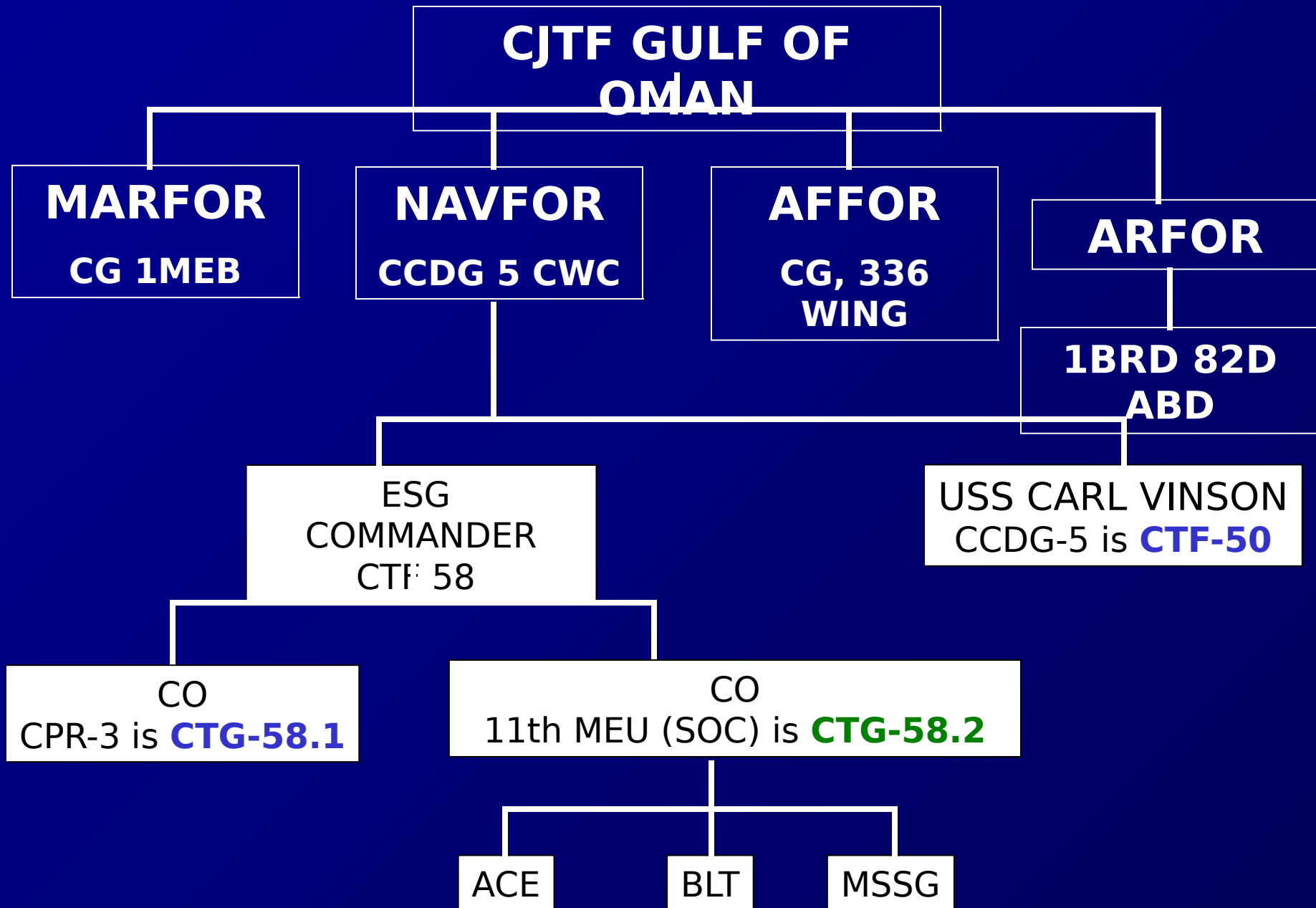


***OPERATION  
DESERT SANDS  
OpsIntel Update***

**N-3**



## **CTF 50**

### **CCDG 5 - CWC**

<b>USS CARL VINSON</b>	<b>CVN 70</b>	<b>CTG 50.4 - C2WC</b>
USS ANTIETAM	CG 54	CTG 50.2 - AWC
USS LAKE CHAMPLAIN	CG 57	CTG 50.3 - SCC
USS FLETCHER	DD 992	
USS REUBEN JAMES	FFG 57	
USS BUFFALO	SSN 758	
USS CAMDEN	AOE 2	

## CTF 58

**USS TARAWA**  
BAY

**LHA 1**

**CG USS MOBILE**

USS DULUTH

LPD 6

DD USS KINKAID

USS RUSHMORE

LSD 47

SSN USS HOUSTON

TACRON 11 DET 1

CPR3/11<sup>TH</sup> MEU

**CO** CPR 3

NSE's:, ACU1 DET B, ACU5 DET B, BMU1 DET A, EODMU3  
DET 33,SBU12 DET A (2 RHIBS), FST3, HC-11

## CTG 58.2

**CO** 11<sup>TH</sup> MEU

### **GCE**

Infantry  
Battalion

Artillery Battery

LAR Company

AAV Platoon

Combat  
Engineer Plt

Reconnaissance  
Plt

Tank Platoon

### **ACE**

12 CH-46 Sea  
Knights

4 CH-53E Super  
Stallions

3 UH-1N Hueys

4 AH-1W Super  
Cobras

6 AV-8B Harrier  
Jets

### **CSSE**

Headquarters

Transportation  
Spt Det

Supply  
Detachment

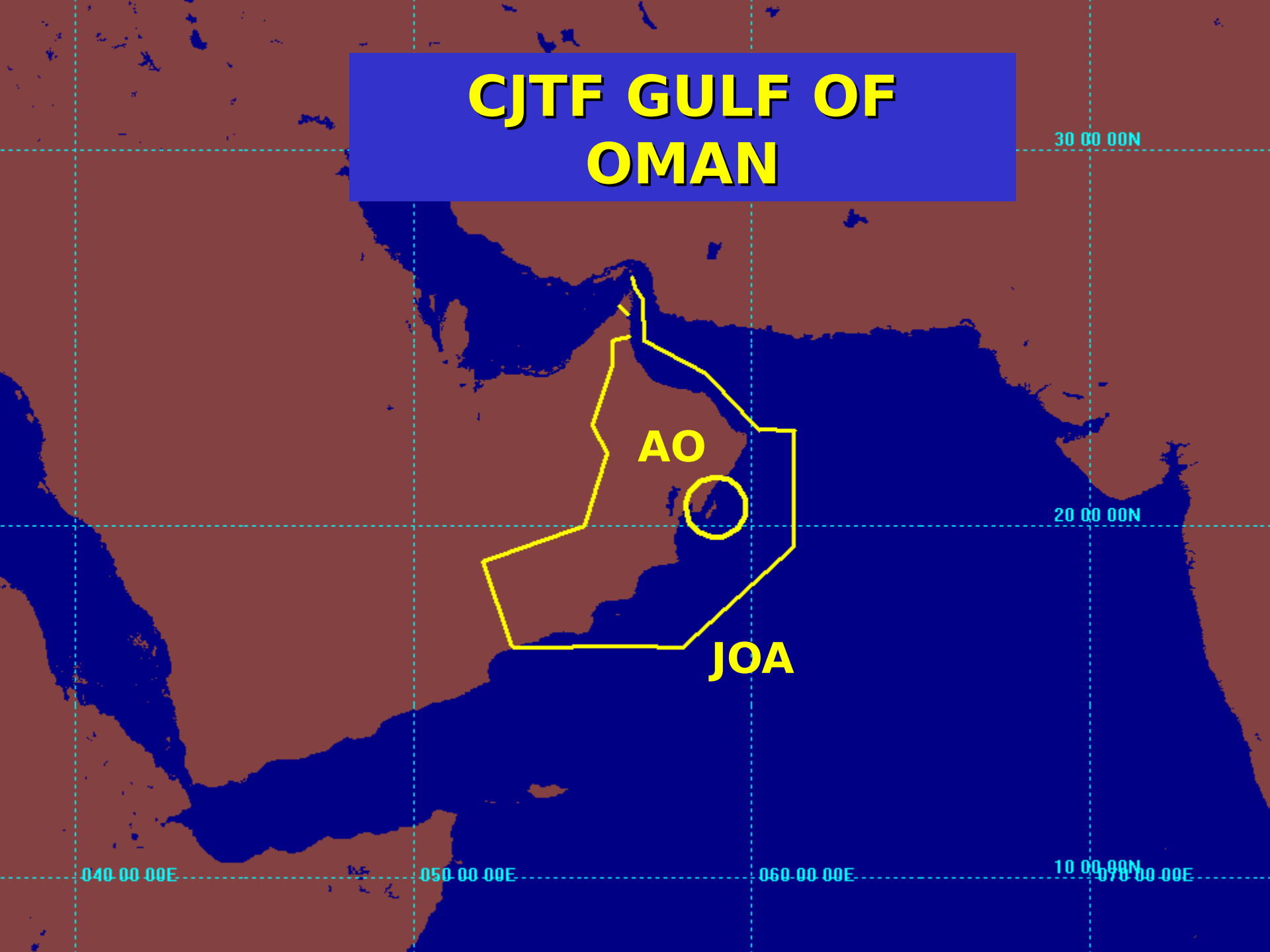
Maintenance Det

Engineer Spt Det

Health Services  
Det

Military Police

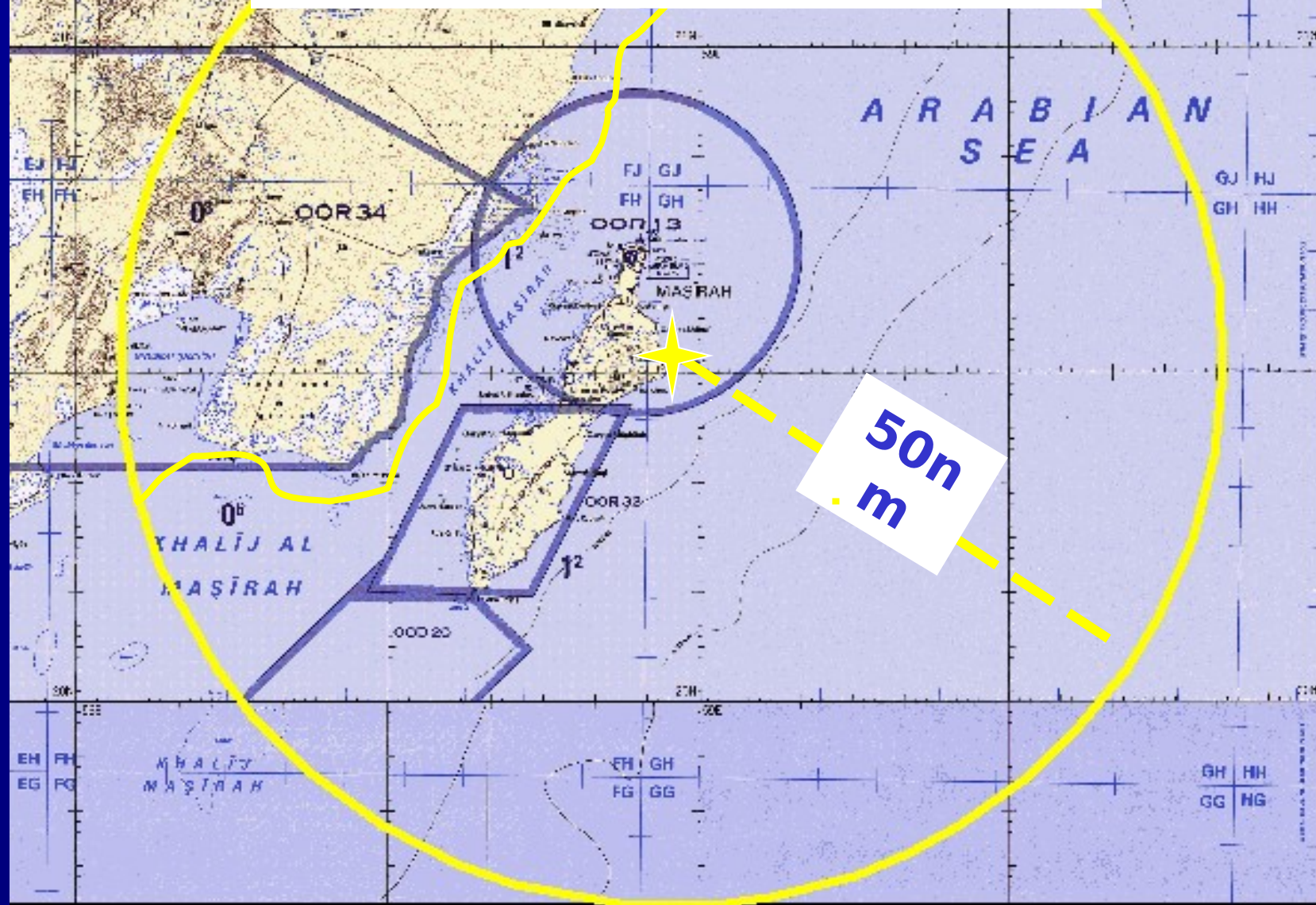
# CJTF GULF OF OMAN



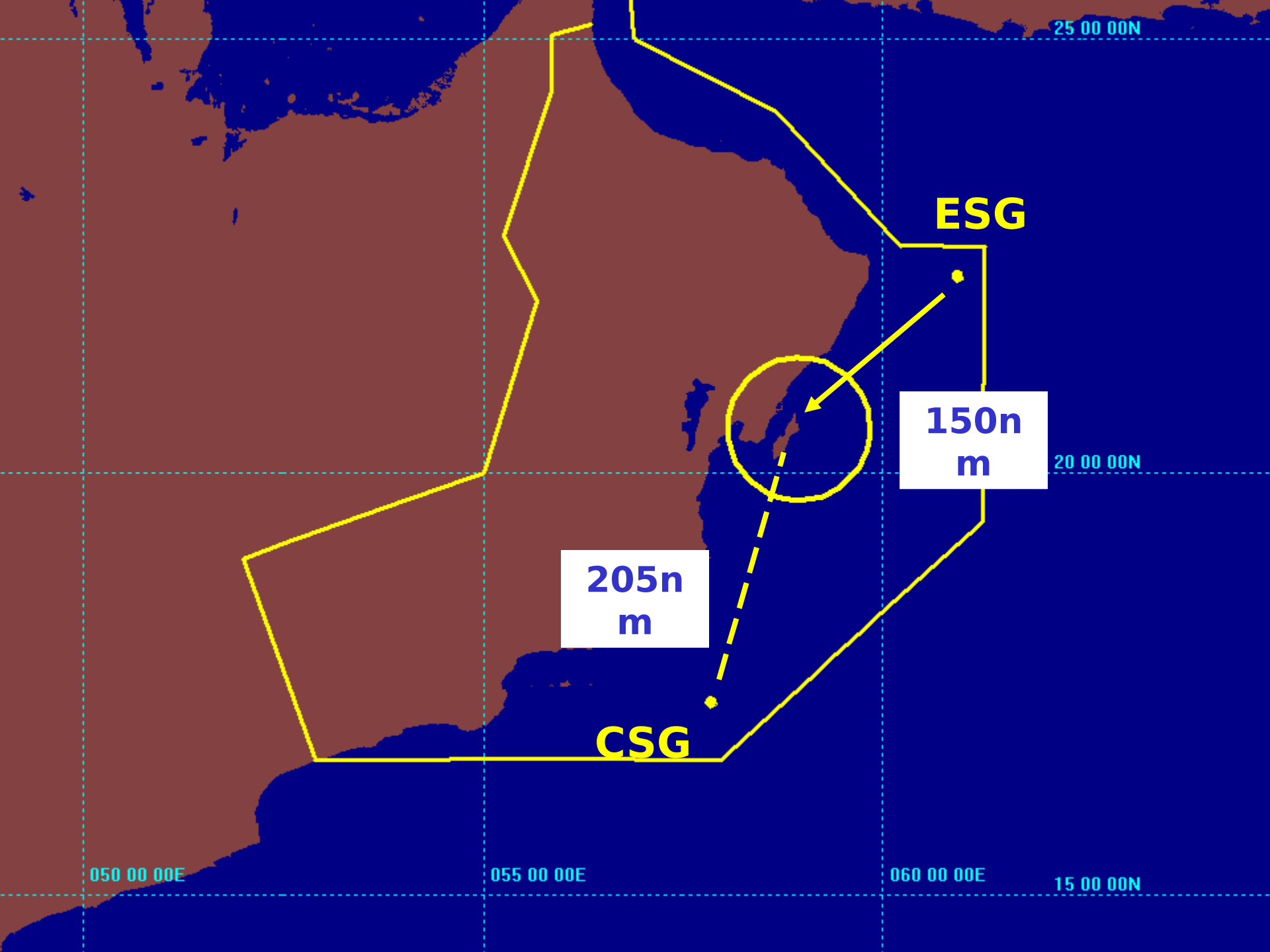
**AO**

**JOA**

# AREA OF OPERATIONS







**METOC**



# Astronomical Planning Data

All Times Standard Time (LST)

Feb 11 Temp

88(HI)/73(LO)

Feb 12 Temp

87(HI)/72(LO)

Feb 13 Temp

/73(LO)

EENT  
2002

ILLU  
M  
99%

RISE  
1653

SET  
1922

BMN  
T055  
0

RISE  
0630

SET  
0703

EENT  
2000

ILLU  
M  
100%

RISE  
1720

SET  
1920

BMN  
T055  
1

RISE  
0631

SET  
0809

EENT  
1958

ILLU  
M  
98%

SET  
1918

160 200 000 070 200 060 190

0

Moon will be illuminating from SE

0

0

## ASTRONOMICAL OUTLOOK

11 Feb

12 Feb

13 Feb

14 Feb

BMNT: 0550 BMNT: 0550 BMNT: 0551 BMNT: 0552  
SR: 0630 SR: 0630 SR: 0631 SR: 0632  
SS: 1922 SS: 1920 SS: 0809 SS: 1917

EENT: 2002 EENT: 2000 EENT: 1958 EENT: 1957  
MR: 1653 MR: 1720 MR: 1753 MR: 1831  
ILL 99% ILL: 100% L: 98% LL: 94%  
MS: 0558 MS: 0703 MS: 0809 MS: 0914

**WINDS:** OUT OF ENE 3 MPH

**CEILINGS:** 14,000 SCT, 25,000 BKN

**VISIBILITY:** UNRESTRICTED

**THERM X-OVER:** NONE

**PRECIP:** 0% CHANCE

**HUMIDITY:** <67%

**EFFECTS ON MOBILITY:**

# OCEAN DATA

## Masirah Island

11 Feb-13 Feb

**SEA SURFACE TEMP: 61F**

**BREAKERS: SPILLING/PLUNGING**

**TIDAL RANGE: 3-4 ft**

**SWELLS: SSW AT -2 FT**

**SEA STATE: 2-3**

**Littoral Current: SW-NE**

**Tide: Max flow during flood (tide going in):**

**Between 120949L Feb 04-121454L Feb 04**

### TIDAL DATA

11 Feb 04

**HIGH TIDE 0238L/7.52'**

**LOW TIDE 0830L/3.9'**

**HIGH TIDE 1349L/7.2'**

**LOW TIDE 2111L/1.3'**

### TIDAL DATA

12 Feb 04

**HIGH TIDE 0401L/7.2'**

**LOW TIDE 0949L/4.3'**

**HIGH TIDE 1454L/6.6'**

**LOW TIDE 2223L/2.0'**

### TIDAL DATA

13 Feb 04

**HIGH TIDE 0532L/7.2'**

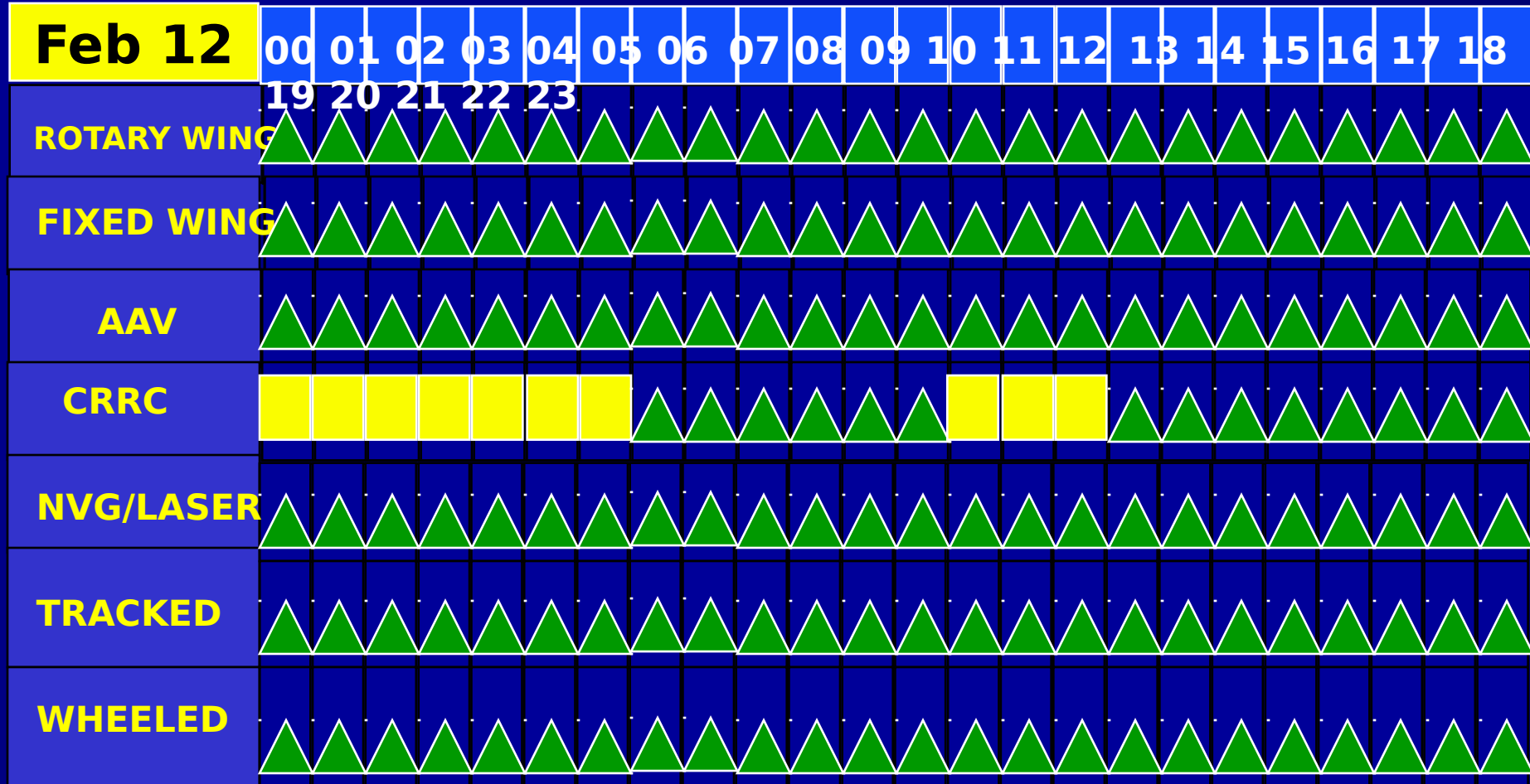
**LOW TIDE 1132L/4.3'**

**HIGH TIDE 1724L/6.2'**

**LOW TIDE 2345L/2.3'**

# Weather Effects

All times local



NO IMPACT



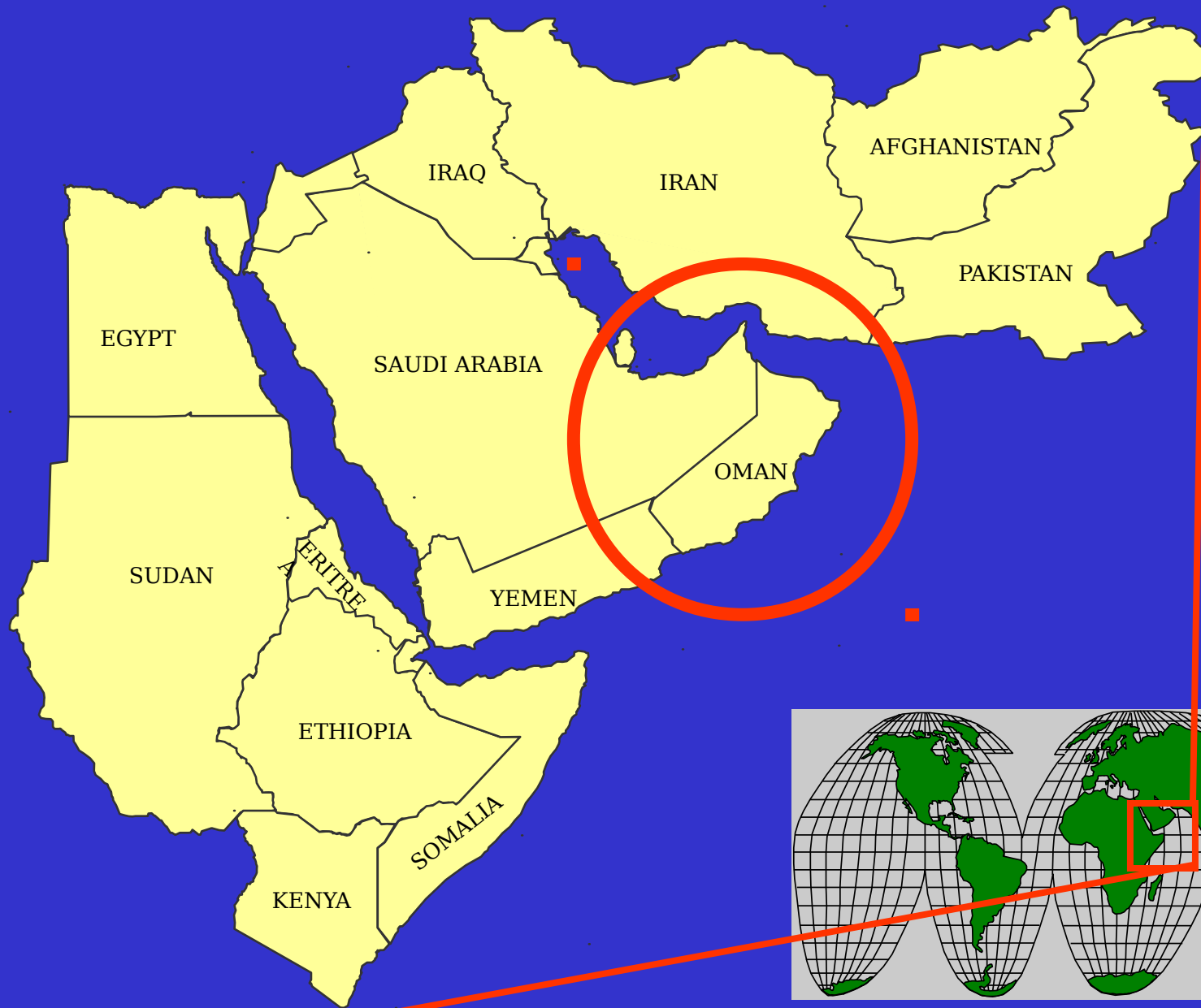
MARGINAL IMPACT



SIGNIFICANT IMPACT

**S-2**

# AREA ORIENTATION





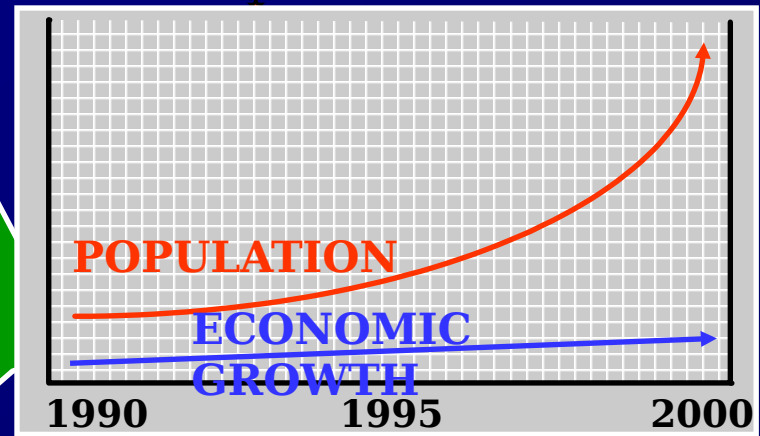
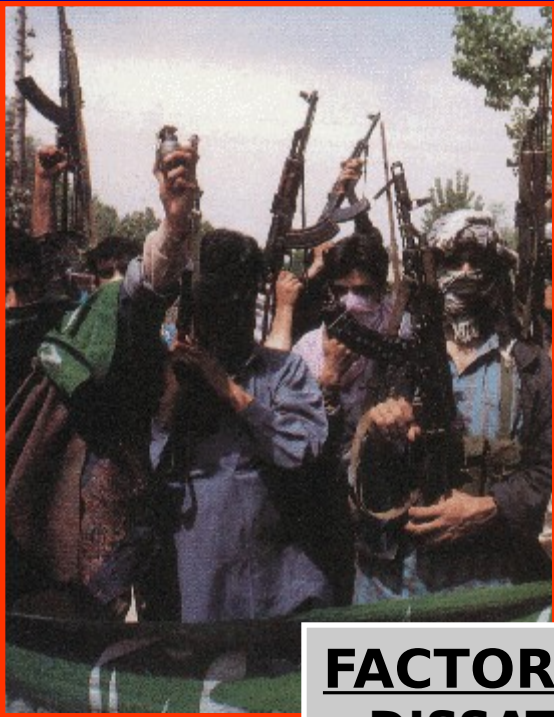
GEOGRAPHY

- 300,000 SQ KM
- 1,700 KM COASTLINE
- THREE COASTAL PLAINS
  - MUSCAT
  - AL BATINAH
  - SALALAH
- AL HAJAR MTS (3075 M) DOMINATE NORTH
- AL QARA MTS (1812 M) DOMINATES SOUTH
- OIL FIELDS LOC IN SOUTH
- MUSANDAM CONSISTS OF LOW MTS UP TO 1676 KM
- MASIRAH ISLAND IS ROCKY/BARREN





# YEMEN AND THE AFTERMATH OF 1995 CIVIL WAR



## FACTORS AFFECTING INTERNAL STABILITY:

- DISSATISFACTION OVER POOR ECONOMIC CONDITIONS
- GROSS ECONOMIC AND SOCIAL INEQUALITIES
- COMPETITION FOR SCARCE RESOURCES AMONGST BURGEONING POPULATIONS
- RISE IN NATIONALISM
- ETHNIC AND RELIGIOUS ANIMOSITIES
- ISLAAH ISLAMIC PARTY TAKES CONTROL OF GOVT.

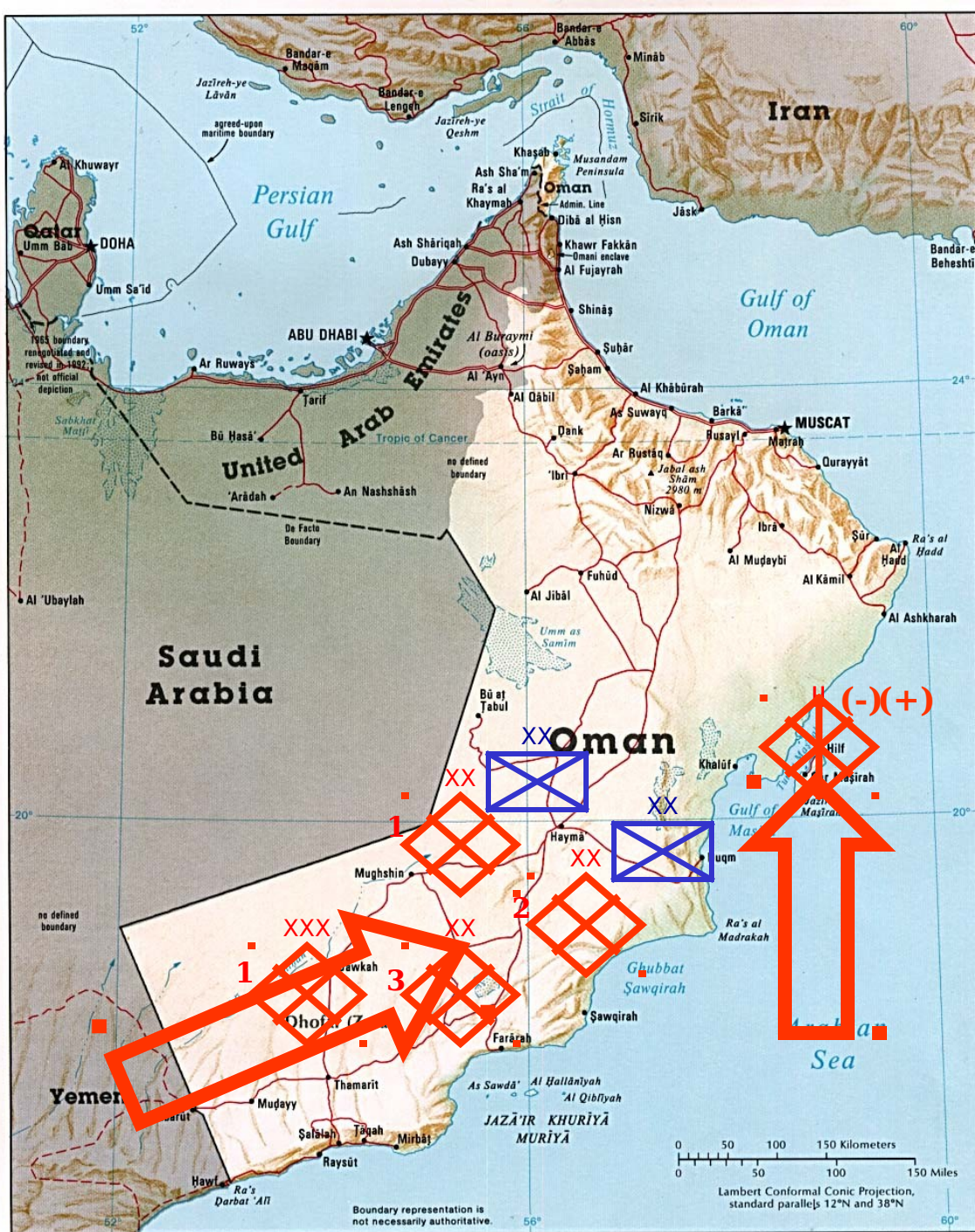
# RISE OF ISLAMIC INFLUENCE BRINGS POLITICAL TURMOILS



## **FACTORS AFFECTING INTERNAL STABILITY:**

- **MAY 1999, MULLAH SAFIYAH IBN A'RAB AL-BENWHBAH REPLACES PRIME MINISTER ABD AL-GHANI AND CABINET SHUFFLE. GIVES MORE SEATS TO ISLAAH**
- **PRIME MINISTER BECOMES DE FACTO CHIEF OF STATE**
- **JUL-AUG 2000, 55 YEMINI HIZBOLLAH "GUARDS" KILLED IN BORDER CLASHES WITH SAUDI AND OMANI TROOPS**



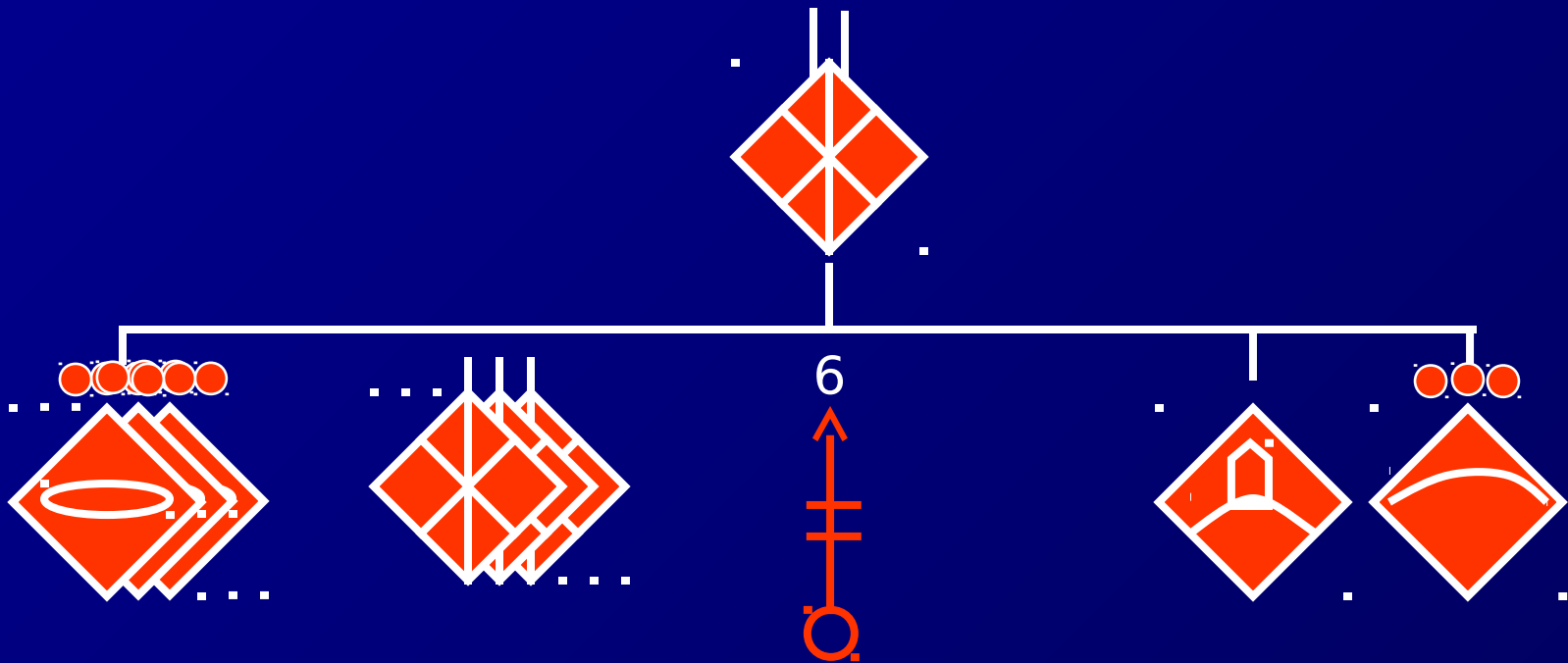


# GENERAL SITUATION

- YEMENI INVASION
- SIEZE DHOFAR
- STALEMATE MASIRAH

# SPECIAL SITUATION

- SIT ALONG OMANI - YEMENI FRONT UNCHANGED
- ELEMENTS OF 68TH GUARD BDE SEIZE ISLAND



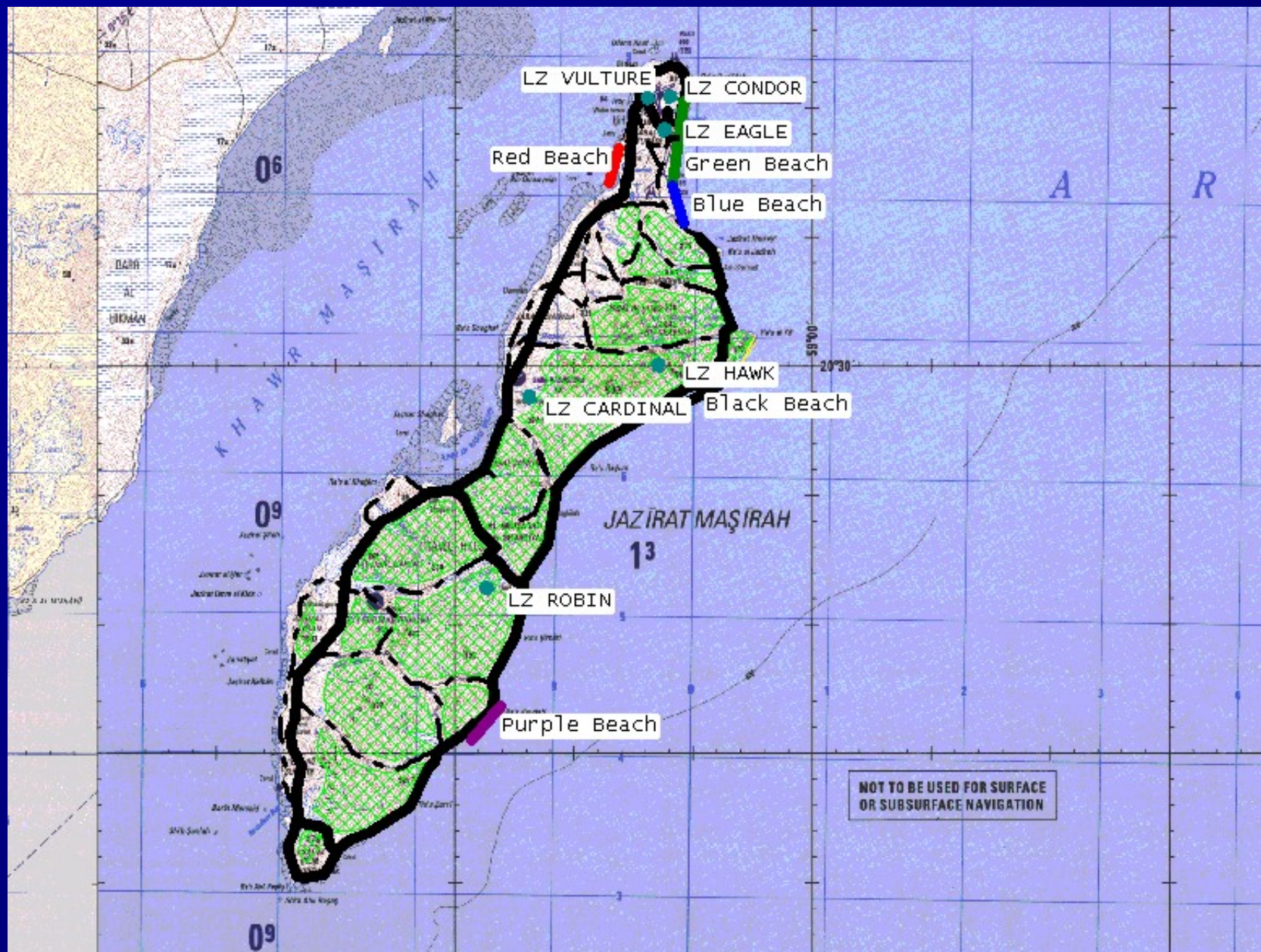
- 30 X BTR-60, 9 X T-54/55, 3XZSU-23/4, 1XSA-6

# **SPECIAL SITUATION**

- **COMMS ON ISLAND**  
HF COMMS, VHF COMMS  
CELL PHONES, LAND LINES
- **NAVAL FORCES**
  - NAVAL UNITS REMAIN IN SUPPORT OF MASIRAH LANDING
    - 1 X TARANTUL I PGG
    - 3 X OSA II PTG
    - 1 X HOUNAN PTG
- **AIR - 1X C-130, 10XF-5, 5X MI-8S HELOS ON ISLAND**  
NO REINFORCEMENT BY **MAINLAND AIR ASSETS**
- **CIVILIANS - 200-250 CIV LEFT ON ISLAND**  
ASSESED AS FRIENDLY TO US FORCES

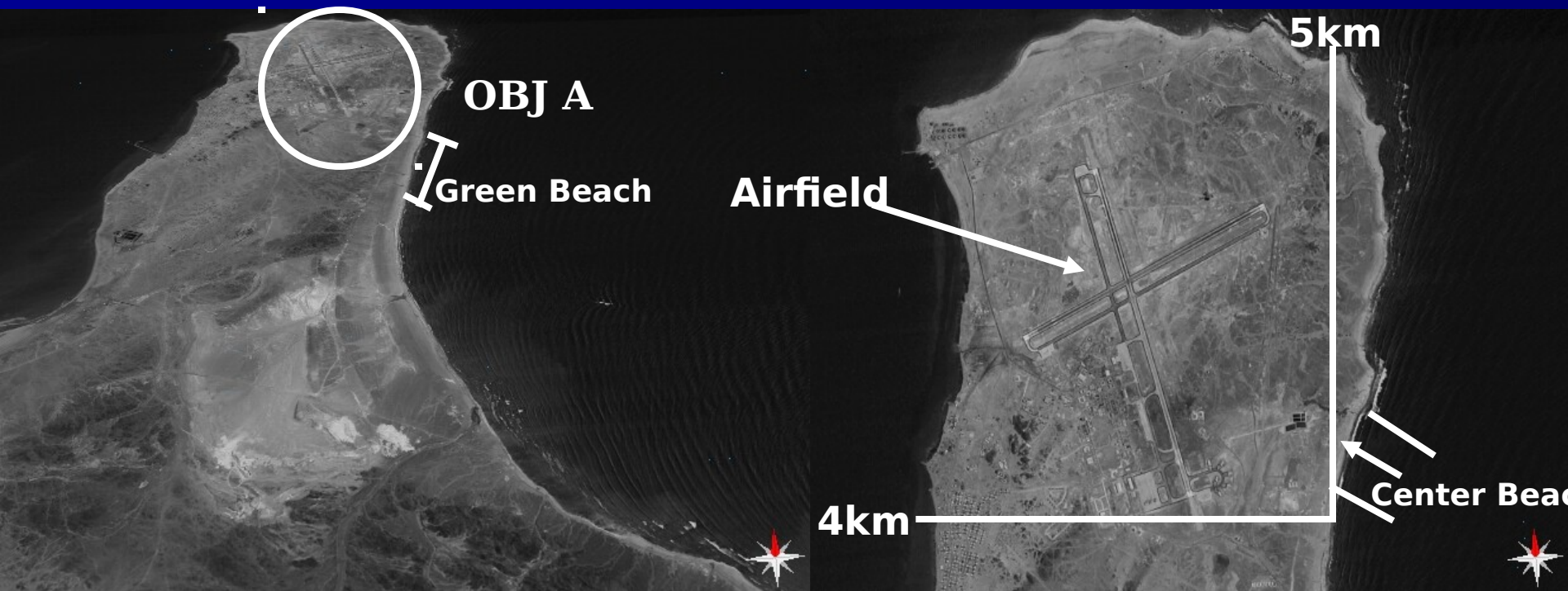


# C2PC MCOO





# Objective



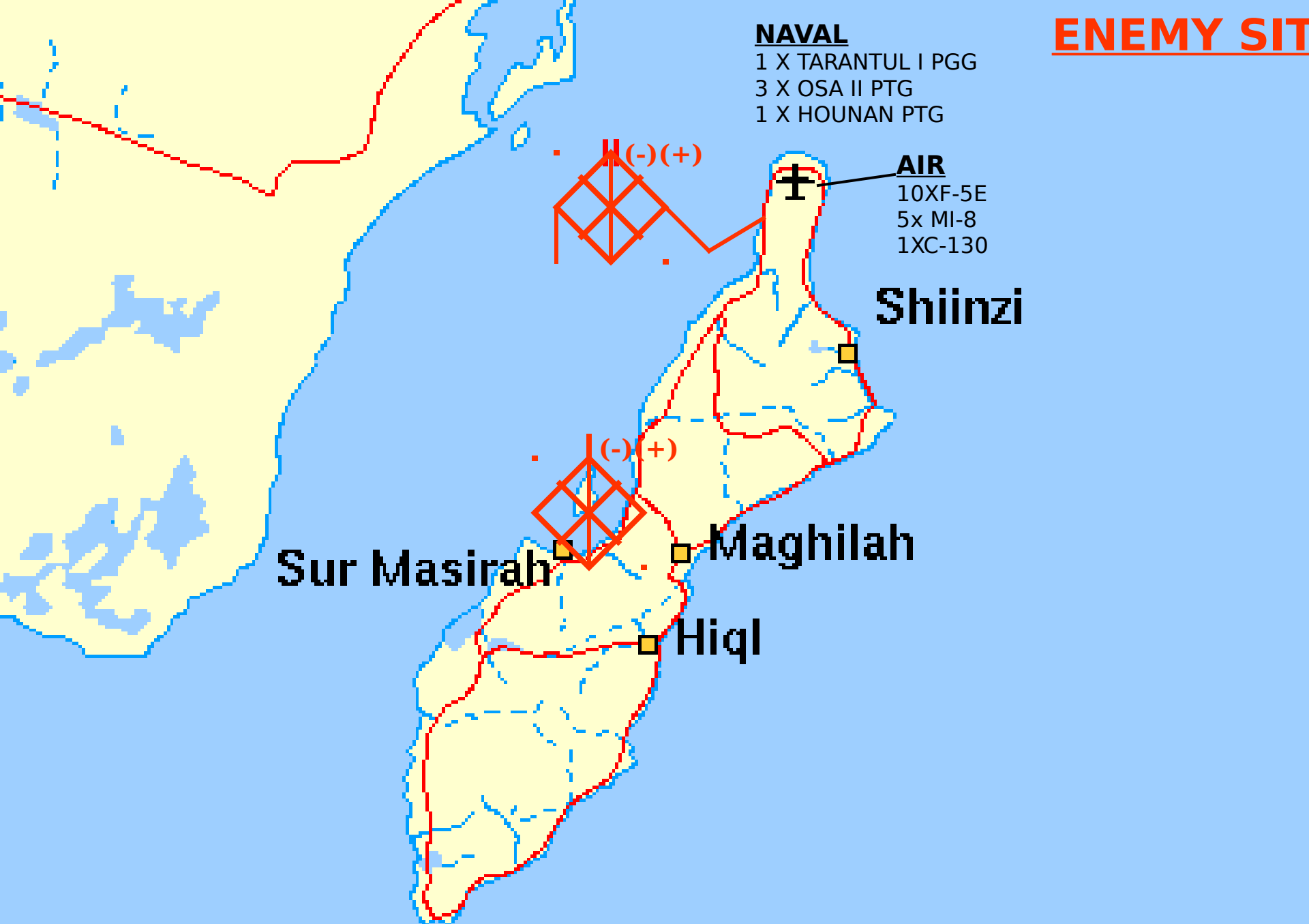
# ENEMY SIT

## NAVAL

1 X TARANTUL I PGG  
3 X OSA II PTG  
1 X HOUNAN PTG

## AIR

10XF-5E  
5x MI-8  
1XC-130



Approx. 54.0 miles across



**ENEMY SIT**

Ammo Storage Fac.

Antenna Farm

H2O Distillation Plant

Island Reef

East Horn Reef

Ra's Hill Jetty

Kināsar Hilf (Reef)

Baal Qudrah

Beeler

Jila's Qudrah Monument

AIRFIELD

CANAL

DAR AL HILF

GARN BIN KHAYTANI

SALT FLATS

DAFIYAT

Jahar Kila (Palm grove)

SUPRAT AL HADARI

Wadi al Ghayy

JABAL AL AYDAH

JABAL DUNAYAT

JABAL MADHARA

SH'INZI

RA'S AL JAZIRAH

JUZAYRAH

DAWWAH

Wadi Dawwah

f) Antenna Farm

## H2O Distillation Plant

DAWWAH



# ENEMY SIT

C-130  
F-5s

SA-6

11(-)(+)



# **RYGF CAPABILITIES**

**DEFEND** DEFEND IN PLACE IN PREPARED POSITIONS

**REINFORCE** WITH UNITS FROM MAINLAND VIA SURFACE ONLY

**ATTACK** LIMITED COUNTERATTACK WITH ARMOR AND MECH UNITS  
ON MASIRAH ISLAND ONLY

**WITHDRAW** BY AIR (C-130)/SEA

**DELAY** AIR/SEA

## **Most Likely Course of Action**

- Defend from prepared positions in vicinity of the airfield. Continue to improve defensive positions.

## **Most Dangerous Course of Action**

- Reinforce with units and heavy equipment from Yemen prior to our attack.

UNCLASSIFIED

## F-5E TIGER II

# AIR



**TYPE: DAY FIGHTER**

**COMBAT RADIUS: 250NM**

**WEAPONS: 2XAIM-9 AAM  
6X500LB**

**BOMBS**

**2X20MM GUNS**

**RADAR: I-BAND**

**TYPE: MULTI MISSION  
DAY/CAPABLE CAPABLE**

**COMBAT RADIUS: 465 KM**

**WEAPONS: ROCKETS: 20X 80  
MM S-8 (UNGUIDED)**

**BOMBS (UP TO 1.500KG)**



## C-130 E

**TYPE: DAY CAPABLE ONLY**

**RANGE: 1,597 NM**

**WEAPONS: NONE**

UNCLASSIFIED

## TARANTUL I PGG



UNCLASSIFIED

# NAVAL

## OSA II PTG



UNCLASSIFIED

## HOUNAN PTG



**SPEED: 35KTS**

**RANGE: 800mi AT 30kts,**

**WEAPONS: SSM: 4YJ1  
GUNS: 4X25MM**

**RANGE: 22NM**

**RADARS: SQUARE TIE (SS)  
RICE LAMP (FC)**

**SPEED: 37KTS**

**RANGE: 800mi AT 30kts,  
500mi AT 35kts**

**WEAPONS: SSM: 4XSS-N-  
2C**

**GUNS:  
4X30MM**

**RADARS: SQUARE TIE (SS)  
DRUM TILT  
(FC)**

**SPEED: 60KTS**

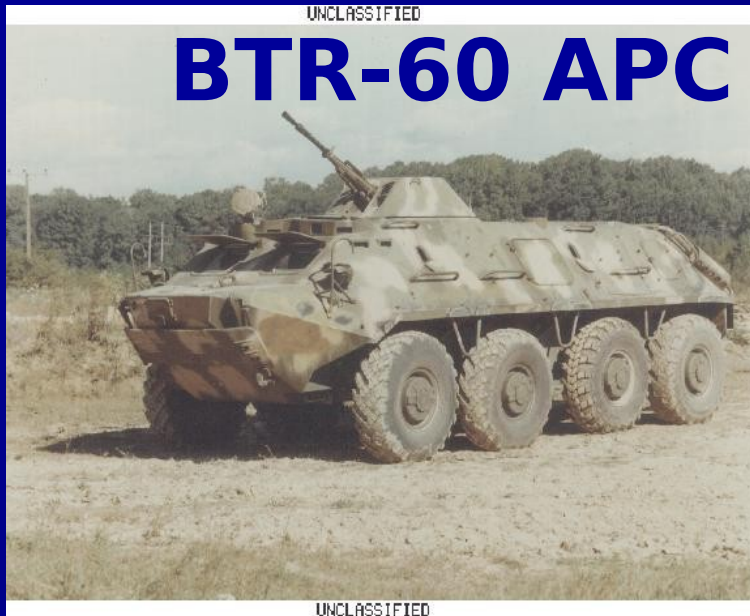
**RANGE: 400mi AT 36kts,  
2,000mi AT 20kts**

**WEAPONS: SSM: 4XSS-N-2C  
SAM: SA-N-5  
GUNS: 1X76MM  
2X30MM**

**RADARS: PLANK SHAVE (A/  
BASS TILT (FC)**



# ARMOR



**MAX SPEED (ROAD):**  
**80KM**

**MAIN GUN: 14.5MM**  
**SECONDARY GUN:**  
**7.62MM**

**ARMOUR: 7MM**

**CREW: 2**  
**PASSENGER: 14**



**MAX ROAD SPEED:**  
**48KM/H**

**RANGE: 420KM/615**  
**W/T**

**GUN: 100MM D-10T2S**  
**EFFECTIVE RANGE:**  
**1500M**  
**RATE OF FIRE: 3-4 RPM**

**CREW: 4**

# AD SYSTEMS



**ZSU 23-4**

**RADAR: GUN DISH**

**MAX SPEED: 44KM/H**

**MAX RANGE: 8000FT**

**ARMAMENT: 4X23MM**

**RATE OF FIRE: 4000  
RDS/PER MIN**

**CREW: 4**



**SA-6 GAINFUL**

**GUIDANCE: SEMI-ACTIVE  
HOMING**

**MAX EFFECTIVE RANGE:  
13NM**

**MIN RANGE: 2.2NM**

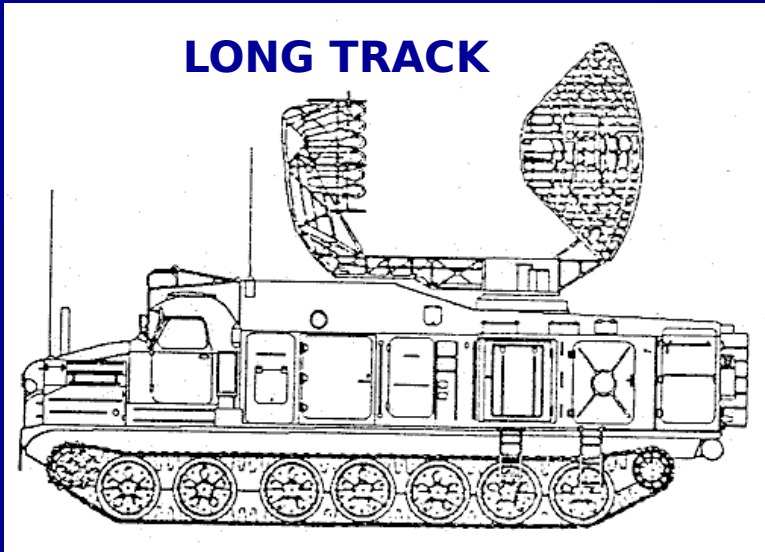
**WARHEAD: HE**

**RADAR: STRAIGHT FLUSH**



# SA-6 RADAR SYSTEMS

**LONG TRACK**



**Function: Target acquisition**

**Range: 150 km+, 30,000+ alt.**

**Frequency: E band (UHF)**

**STRAIGHT FLUSH**



**Function: Fire control/short range target acquisition**  
**Acquisition can guide three missiles simultaneously**

**Range: 60-90km, 10,000m alt**

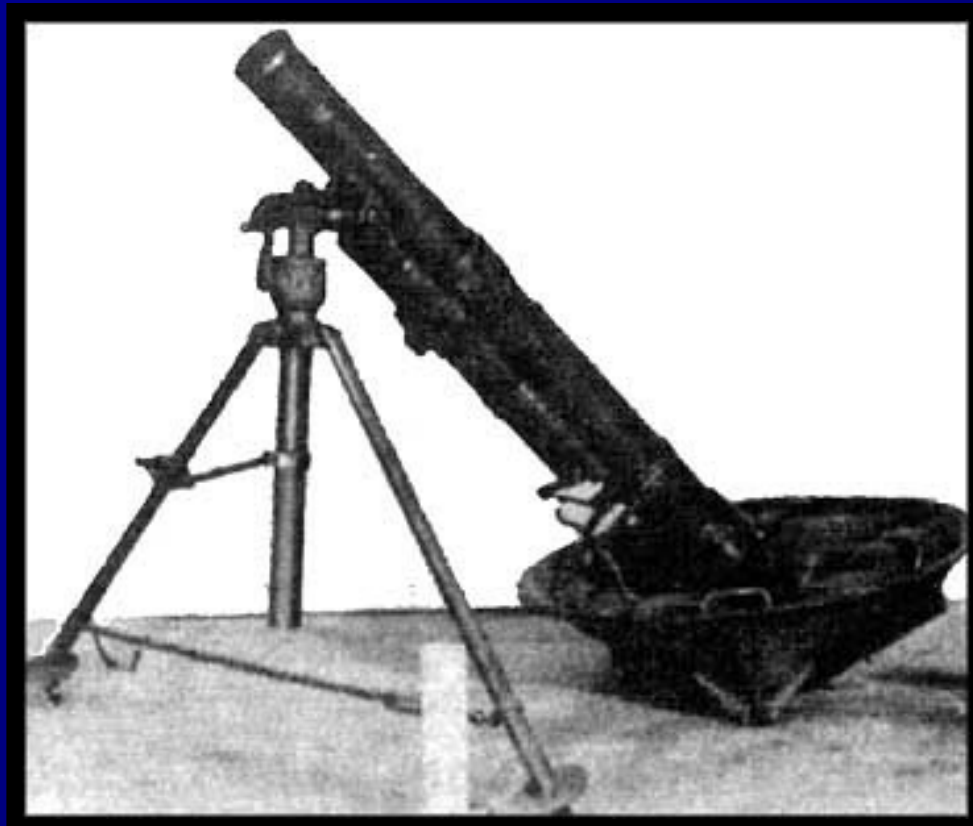
**Frequency:**

**G/H band (acquisition, I band (tracking))**

# WEAPON SYSTEMS

## MORTARS

M1943



**DESCRIPTION:**

**CALIBER:**

**AMMUNITION:**

**MAX EFFECTIVE RANGE:**

**RATE OF FIRE:**

Mortar

120mm

FRAG-HE, HE, smoke, illuminating,  
incendiary, possible chemical

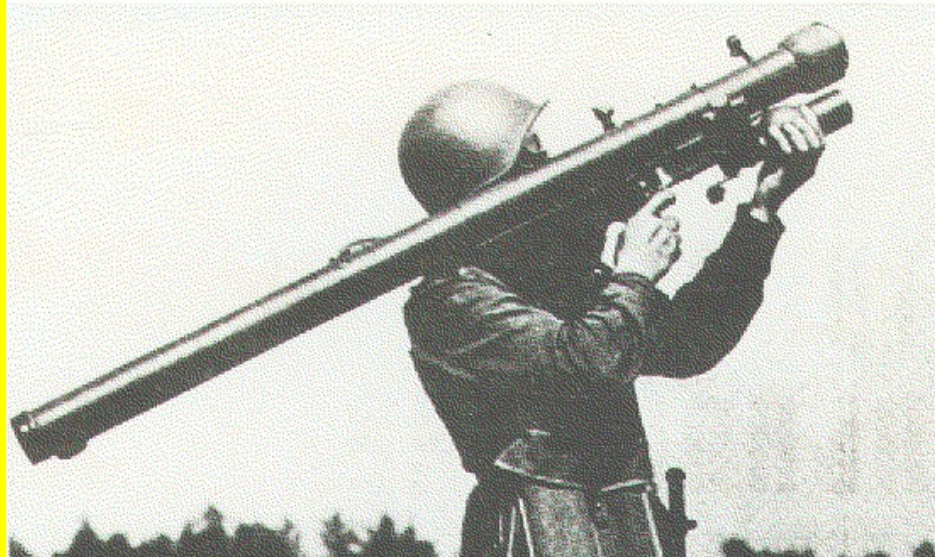
460-5,700m

12-15rnds/min

# WEAPON SYSTEMS

## MISSILES/MANPAD

SA-14



<b>DESCRIPTION:</b>	Man-portable, 2 stage, low alt. SAM
<b>MAX FIRING RANGE:</b>	4500-5200m
<b>EFFECTIVE ALTITUDE:</b>	2000-3500m